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- AN** - 1990-272346 [36]
- TI** - Column filler for liq. chromatography - has optically anisotropic activated carbon with non-polar or polar functional gps.
- AB** - J02193066 Filler is an activated carbon with fine pores and (i) it is optically anisotropic, (ii) no less than 90% of the whole comprises particles of max. dia. 80 microns, and (iii) no less than 85% of the total pore vol. is constituted by micropores of max. dia. 20 Angstroms. Pref. non-polar gp. or polar functional gp. are introduced in granular activated carbon, pref. activated mesocarbon microbeads.
- ADVANTAGE - The specific surface area and pore vol. are large, exhibiting a high performance in sepn., even without pretreatment. The mechanical strengths are high and resistance to heat, chemicals, swelling and shrinkage are excellent. The spherical particles are easy to fit in a column.
- In an example, mesocarbon microbeads activated with KOH having a specific surface area of 2000 m²/g were treated with conc. HNO₃ at 60 deg.C for 30 mins. to introduce carboxyl gp.. Then octadecyl gp. was introduced. (6pp Dwg.No.0/4)in
- IW** - COLUMN FILL LIQUID CHROMATOGRAPHY OPTICAL ANISOTROPE
ACTIVATE CARBON NON POLE POLE FUNCTION GROUP
- PN** - JP2193066 A 19900730 DW199036 000pp
- IC** - B01J20/20 ;G01N30/48
- MC** - J01-D01A J04-B01C
- S03-E09C5
- DC** - J04 S03
- PA** - (OSAG) OSAKA GAS CO LTD
- AP** - JP19890012256 19890120
- PR** - JP19890012256 19890120